ELSEVIER

Palaeogeography, Palaeoclimatology, Palaeoecology 144 (1998) 353–354

PALAEO

Contents Volume 144, 1998

Editorial 1

Research Papers

Secular oscillations in the carbonate mineralogy of reef-building and sediment-producing organisms driven by tectonically forced shifts in seawater chemistry
S.M. Stanley and L.A. Hardie 3

Orbital forcing and Eocene continental temperatures
L.C. Sloan and C. Morrill 21

Solar cycles recorded in Carboniferous glacimarine rhythmites (Western Argentina): relationships between climate and sedimentary environment
J.P. Milana and S. Lopez 37

First isotopic and multidisciplinary evidence for nonmarine coelacanths and pycnodontiform fishes: palaeoenvironmental implications
F.J. Poyato-Ariza, M.R. Talbot, M.A. Fregenal-Martínez, N. Meléndez, S. Wenz 65

Can shallow- and deep-water chemoautotrophic and heterotrophic communities be discriminated in the fossil record?
E.N. Powell, W.R. Callender and R.J. Stanton Jr. 85

Palaeoecology of the biserial planktonic foraminifer *Heterohelix moremani* (Cushman) in the late Albian to middle Turonian Circum-North Atlantic
A.J. Nederbragt, R.N. Erlich, B.W. Fouke and G.M. Ganssen 115

Ammonoid habitats and habits in the Western Interior Seaway: a case study from the Upper Cretaceous Bearpaw Formation of southern Alberta, Canada
C.J. Tsujita and G.E.G. Westermann 135

The Barremian–Aptian turnover of biota in northwestern Europe: evidence from belemnites
J. Mutterlose 161

Windblown trees as a palaeoclimate indicator: regional consistency of a mid-Holocene wind field
J.R.L. Allen 175

A method for climatic reconstruction of the Mediterranean Pliocene using pollen data
S. Fauquette, J. Guiot and J.-P. Suc 183

Development of potential acid sulfate paleosols in Paleocene floodplains, Bighorn Basin, Wyoming, USA
M.J. Kraus 203

Thermoluminescence chronology of sand profiles in the Mu Us Desert, China
J. Sun, G. Yin, Z. Ding, T. Liu and J. Chen 225

Special Issue: Quaternary Environmental Changes in the Lake Eyre Basin of Central Australia. Edited by G.C. Nanson and D.M. Price.

Quaternary change in the Lake Eyre basin of Australia: an introduction
G.C. Nanson 235

Cainozoic stratigraphy, palaeoenvironments and geological evolution of the Lake Eyre Basin
N.F. Alley 239
La Niña de Australia — contemporary and palaeo-hydrology of Lake Eyre
V. Kotwicki and R. Allan 265
Hydroclimatic interpretation of Quaternary shorelines on South Australian playas
G.C. Nanson, R.A. Callen and D.M. Price 281
Lake Eyre palaeohydrology from 60 ka to the present: beach ridges and glacial maximum aridity
J.W. Magee and G.H. Miller 307
Stratigraphy and sedimentology of the lower Neales River, West Lake Eyre, Central Australia: from Palaeocene to Holocene
J.C. Croke, J.M. Magee and D.M. Price 331

Author Index Volume 144 351